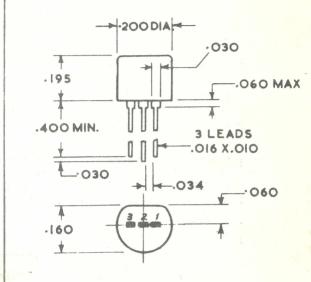
AMALGAMATED WIRELESS VALVE CO. PTY. LTD.



AS147

DIMENSIONAL OUTLINE

The AS147 is an n-p-n silicon planar epitaxial transistor in an epoxy package for general purpose use in audio and switching circuits.

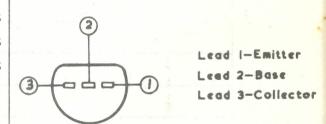


Dimensions in Inches

ABSOLUTE MAXIMUM RATINGS

Collector-base voltage = 45 volts
Collector-emitter voltage = 45 volts
Emitter-base voltage = 5 volts
Emitter current = 100mA

TERMINAL DIAGRAM



THERMAL RATINGS

Dissipation in an ambient temperature up to 25°C ---- 300mW max. Derate linearly to zero at 135°C .

During soldering lead temperature must not exceed 255°C for 10 secs. max. within 1/16" of can.

Storage temperature -25° C to 135° C.

PARAMETER	CONDITIONS	MIN.	TYP.	MAX.	UNITS
СВО	V _{CB} = 20V	Control of the Contro	SO PLOT AND REGISTRES SEE PROFESSION THE PROFESSION TO AND	15	nA
I _{EBO}	V _{EB} = 5V		pandement arbanamu yezan men arban e e 1904.	100	μА
EBF	V _{CB} = 45V		6.50	1	V
ingenination in the contract of the contract o	$V_{CE} = 5V$, $I_{E} = 10\mu A$	ener	85	250	nA
I _B	$V_{CE} = 5V$, $I_{E} = 2mA$		10	18.5	μА
I _B	$V_{CE} = 5V$, $I_{E} = 10mA$		40	Control of the second of the s	μА
V _{CEO}	I _C = 2mA	45	September (1997)	Control of the Contro	V
CE(sat.)	$I_C = 10\text{mA}$, $I_B = 1\text{mA}$		The second secon	.25	V
f _T	$V_{CE} = 5V$, $I_{C} = 0.5$ mA		85		MHz
f _T	V _{CE} = 5V, I _C = 10mA		300		MHz
C _b 'c	$V_{CB} = 5V$, $I_{E} = 0$	The state of the s	2.5		pF
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